

LIST OF BIRDS COLLECTED BY MR. EMIL EISENHOFER IN NORTHERN SIAM.

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The following list is based upon a collection of birds made in Northern Siam by Mr. Emil Eisenhofer, Divisional Engineer of the Northern Railway. The birds were collected chiefly at Pa Hing, Bang Buei and Koon Tan—all these places being situated along the line to Chiengmai. There are many interesting and very rare species in the collection, as will be seen from the list, and a number are quite new to the Siamese fauna. Most of the species have, however, been previously recorded from Burma, the Shan States and the adjoining parts of French Indo-China.

Owing to lack of literature with me in Siam, I have been unable to go deeply into the question of subspecies. I have, therefore, followed closely the classification given by Oates and Blanford in the *Fauna of British India*, except in the case of the *Columbidae*, where I have adhered to the nomenclature adopted by Mr. E. C. Stuart Baker in his recently published *Indian Pigeons and Doves*, which is the latest work on that Family.

For the convenience of readers possessing the *Fauna of British India*, I have given the numbers in that work in brackets for each bird recorded therein.

In 1913 Mr. Eisenhofer sent a large collection to the Museum at Hannover. By the courtesy of its Director, Professor Doctor A. Fritze, all the birds were handed over to me for identification and a list of these has been published in the *Proceedings* of the Museum. The species recorded in that paper are marked with an asterisk in the following list.

Nearly all Mr. Eisenhofer's specimens are in very good condition and it is to be hoped that he will further add to his fine collection.

Fam. CORVIDÆ.

1. (4). *CORVUS MACRORHYNCHUS*, *Wagl.* (*) The Jungle-Crow.
2. (12). *UROCISSA OCCIPITALIS*, *Blyth.* (*) The Red-billed Blue Magpie.
3. (14). *CISSA CHINENSIS*, *Bodd.* (*) The Green Magpie.
4. (16). *DENDROCITTA RUFA*, *Hartl.* (*) The Indian Tree-pie.
5. (18). *DENDROCITTA HIMALAYENSIS*, *Blyth.* The Himalayan Tree-pie.

There is only a single specimen of this bird, collected at Koon Tan on the 27th of May, 1914. It does not quite agree with the description given by Oates, who says that all the primaries but the first two have a patch of white at their base. In the Koon Tan specimen all the primaries but the first have a white patch near the base.

Measurements :—wing = 135 mm. ; tail = 195 mm. ; culmen = 28 mm.

6. (21). *CRYPHIRHINA VARIANS*, *Lath.* (*) The Black Racket-tailed Magpie.
7. (25). *GARRULUS LEUCOTIS*, *Hume.* (*) The Burmese Jay.

Fam. CRATEROPODIDÆ.

8. (64). *DRYONASTES CHINENSIS*, *Scop.* (*) The Black-throated Laughing-Thrush.

One specimen shows the following measurements :—wing = 115 mm. ; tail = 124 mm. ; culmen = 20 mm. ; tarsus = 35 mm.

9. (71). *GARRULAX DIARDI*, *Less.* (*) The Siamese White-crested Laughing-Thrush.
10. (72). *GARRULAX PECTORALIS*, *Gould.* (*) The Black-gorgeted Laughing-Thrush.
11. (73). *GARRULAX MONILIGER*, *Hodgs.* The Necklaced Laughing-Thrush.
12. (77). *GARRULAX STREPITANS*, *Blyth.* Tickell's Laughing-Thrush.

Of this rare bird, which is only to be found at rather high elevations, there are some specimens from Koon Tan. Oates gives the throat and breast chocolate-brown, but I should say it is of a brownish black colour.

Measurements of four specimens:—

Wing = 140 mm.; tail = 140 mm.; culmen = 23 mm.

„ = 137 „ „ = 132 „ „ = 22 „

„ = 131 „ „ = 138 „ „ = 20 „

„ = 132 „ „ = 130 „ „ = 24 „

13. (126). *POMATORHINUS OCHRACEICEPS*. *Wald* Lloyd's Scimitar Babbler.

Seems to be rather rare. Only two specimens were obtained, both of them at Koon Tan.

Measurements:—wing = 95 mm.; tail = 115 mm.; culmen = 33 mm.

14. (132). *POMATORHINUS TICKELLI*, *Blyth*. Tickell's Scimitar Babbler.

Like the preceding species, this Babbler also seems to be rather rare, and there are only two specimens in the collection, one from Hue Pu and one from Koon Tan.

The specimen from Hue Pu, a female, was shot on the 27th May, 1912, and has the following measurements:—wing = 103 mm.; tail = 103 mm.; culmen = 38 mm.; tarsus = 37 mm.

15. (138). *GAMPSORHYNCHUS TORQUATUS*, *Hume*. The Ring-necked Shrike-Babbler.

This species has only been procured in dense bamboo jungle near Koon Tan, and also seems to be rather rare. One specimen measures as follows:—wing = 98 mm.; tail = 120 mm.; culmen = 18 mm.

16. (145). *PELLORNEUM SUBOCHRACEUM*, *Swinh.* (*) The Burmese Spotted Babbler.

17. (176). *MIXORNIS RUBRICAPILLUS*, *Tick.* (*) The Yellow-breasted Babbler.

18. (187). *MYIOPHONEUS TEMMINCKI*, *Vig.* (*) The Himalayan Whistling-Thrush.

Measurements:—wing = 165 mm.; tail = 115 mm.; culmen = 25 mm.

In this species the bill is entirely blackish brown.

19. (188). *MYIOPHONEUS EUGENII*, *Hume.* (*) The Burmese Whistling-Thrush.

Measurements:—wing = 193 mm.; tail = 147 mm.; culmen = 26 mm:

20. AETHORHYNCHUS XANTHOTIS, *Sharpe*. (*) The Siamese Great Iora. Allied to *A. lafresnayi*, *Hartl.*, *vide F. B. I.*, No. 242.
Only a single specimen—female.
21. (243). ÆGITHINA TIPHA, *Linn.* The Common Iora.
22. (247). CHLOROPSIS AURIFRONS, *Temm.* (*) The Gold-fronted Chloropsis.
23. (250). CHLOROPSIS CHLOROCEPHALA, *Wald.* (*) The Burmese Chloropsis.
24. (254). IRENA PUELLA, *Lath.* (*) The Fairy Blue-bird.
25. MELANOCHLORA SULTANA FLAVOCRISTATA, *Lafr.* (*) The Sultan-bird. A sub-species of *M. sultanea*, *Hodgs.*, *F. B. I.*, No. 255.
26. (265). CRINIGER GUTTURALIS, *Müll.* The Malayan White-throated Bulbul.
27. (270). HYPSPETES CONCOLOR, *Blyth.* The Burmese Black Bulbul.

The black patch under the ear-coverts is very small and in some species not clearly visible.

Measurements :—wing = 132 mm. ; tail = 111 mm. ; culmen = 23 mm.

28. (288). OTOCOMPSA EMERIA, *Linn.* (*) The Bengal Red-whiskered Bulbul.
29. (290). OTOCOMPSA FLAVIVENTRIS, *Tick.* (*) The Black-crested Yellow Bulbul.
30. IOLE OLIVACEA, *Blyth.* Allied to *I. virescens*, *Blyth*, The Olive Bulbul, *vide F. B. I.*, No. 296.

One specimen measures as follows :—wing = 86 mm. ; tail = 86 mm. ; culmen = 15 mm.

31. PYCNONOTUS ATRICAPILLUS, *Vieill.* (*) The Chinese Red-vented Bulbul. Synonymous with *Molpastes atricapillus*, *Vieill.*, *F. B. I.*, No. 281.
32. (299). PYCNONOTUS FINLAYSONI, *Strickl.* (*) Finlayson's Stripe-throated Bulbul.
33. (306). PYCNONOTUS BLANFORDI, *Jerd.* (*) Blanford's Bulbul.
Fam. SITTIDÆ
34. SITTA CINNAMOVENTRIS, *Blyth.* The Cinnamon-bellied Nuthatch. Synonymous with *S. cinnamomeiventris*, *Blyth*, *F. B. I.*, No. 316.

35. (317). *SITTA NEGLECTA*, *Wald.* The Burmese Nuthatch.
 36. (325). *SITTA FRONTALIS*, *Horsf.* (*) The Velvet-fronted Blue Nuthatch.

Fam. *DICRURIDÆ*.

37. (327). *DICRURUS ATER*, *Herm.* (*) The Black Drongo.
 38. (333). *DICRURUS CINERACEUS*, *Horsf.* The Grey Drongo.
 39. (334). *CHAPTIA ÆNEA*, *Vieill.* (*) The Bronzed Drongo.
 40. (335). *CHIBIA HOTTENTOTTA*, *Linn.* (*) The Hair-crested Drongo.
 41. (340). *DISSEMURUS PARADISEUS*, *Linn.* (*) The Larger Racket-tailed Drongo.

Fam. *SYLVIIDÆ*.

42. (361). *LOCUSTELLA LANCEOLATA*, *Temm.* The Streaked Grasshopper-Warbler.

A single specimen, measuring as follows:—wing = 52 mm.; tail = 47 mm.; culmen = 9 mm.

43. *LUSCINIOLA AEDON*, *Pall.* (*) The Thick-billed Warbler. Synonymous with *Arundinæ aëdon*, *Pall.*, *F. B. I.*, No. 393.
 44. *CRYPTOLOPHA BURKI TEPHROCEPHALA*, *Anders.* Anderson's Flycatcher-Warbler. Corresponds to *C. tephrocephala*, *Anders.*, *F. B. I.*, No. 432.
 45. (440). *ABRORNIS SUPERCILIARIS*, *Tick.* The Yellow-bellied Flycatcher-Warbler.

Fam. *LANIIDÆ*.

46. (474). *LANIUS COLLURIODES*, *Less.* The Burmese Shrike.

The crown and nape dark ashy, with some feathers earthy brown. Forehead and lores almost white, with some small black spots.

Measurements:—wing = 84 mm.; tail = 94 mm.; culmen = 12 mm.

47. (481). *LANIUS CRISTATUS*, *Linn.* (*) The Brown Shrike.
 48. (482). *LANIUS LUCIONENSIS*, *Linn.* The Philippine Shrike.

A single specimen. Some of the upper tail-coverts have black centres to the feathers.

Measurements:—wing = 89 mm.; tail 90 mm.

49. (484). *HEMIPUS PICATUS*, *Sykes.* The Black-backed Pied Shrike.

50. (486). *TEPHRODORNIS PELVICUS*, *Hodgs.* The Nepal Wood-Shrike.

51. (488). *TEPHRODORNIS PONDICERIANUS*, *Gm.* The Common Wood-Shrike.

Fam. *CAMPHEPHAGIDÆ*.

52. (491). *PERICROCOTUS FRATERCULUS*, *Swinh.* (*) The Burmese Scarlet Minivet.

53. (500). *PERICROCOTUS PEREGRINUS*, *Linn.* The Small Minivet.

54. (506). *CAMPOPHAGA MELANOPTERA*, *Rüpp.* (*) The Pale-grey Cuckoo-Shrike.

Measurements :—wing = 113 mm. ; tail = 68 mm. ; culmen = 17 mm.

55. (507). *CAMPOPHAGA NEGLECTA*, *Hume.* The Small Cuckoo-Shrike.

56. *GRAUCALUS MACEL*, *Less.* The Large Cuckoo-Shrike. Synonymous with *G. macii*, *Less.*, *F. B. I.*, No. 510.

Fam. *ORIOOLIDÆ*.

57. (514). *ORIOULUS INDICUS*, *Jerd.* (*) The Black-naked Oriole.

58. (521). *ORIOULUS MELANOCEPHALUS*, *Linn.* (*) The Indian Black-headed Oriole.

Fam. *EULABETIDÆ*.

59. *GRACULA JAVANA INTERMEDIA*, *Cuv.* (*) The Indian Grackle. Synonymous with *Eulabes intermedia*, *A. Hay*, *F. B. I.*, No. 524.

Fam. *STURNIDÆ*.

60. (538). *STURNIA MALABARICA*, *Gm.* The Grey-headed Myna.

61. (543). *AMPELICEPS CORONATUS*, *Blyth.* (*) The Gold-crest Myna.

62. (546). *GRACULIPICA NIGRICOLLIS*, *Payk.* (*) The Black-necked Myna.

63. (549). *ACRIDOTHERES TRISTIS*, *Linn.* The Common Myna.

64. (553). *AETHIOPSAR GRANDIS*, *Moore.* (*) The Siamese Myna.

65. (556). *STURNOPASTOR SUPERCILIARIS*, *Blyth.* The Burmese Pied Myna.

One specimen only. From the neighbourhood of Bangkok Dr. Bowdler Sharpe has described a bird closely allied to *Sturnopastor super-*

ciliaris and has named it after Capt. Stanley S. Flower. This bird, *S. floweri*, Sharpe, has the upper parts of a blackish color, while those in *S. superciliaris* are brownish black. The specimen in Mr. Eisenhower's collection agrees better with the description of *S. superciliaris*, and I have therefore referred it to that species, as I have at present no material for comparison.

Its measurements were as follows:—wing = 122 mm.; tail = 77 mm.; culmen = 27 mm.; tarsus = 30 mm.

Fam. *MUSCICAPIDÆ*.

66. (562). *SIPHIA ALBICILLA*, *Pall.* The Eastern Red-breasted Flycatcher.

67. (572). *CYORNIS OATESI*, *Salv.* The Rufous-bellied Blue Flycatcher.

Of this rare bird there is only a fine male specimen in the collection, with the following measurements:—wing = 86 mm.; tail = 63 mm.; culmen = 10 mm.; tarsus = 20 mm.

68. *CYORNIS DIALILEMA*, *Salv.* (*) The Blue-throated Flycatcher. Synonymous with *C. rubeculoides*, *Vig.*, *F. B. I.*, No. 575.

69. (579). *STOPAROLA MELANOPS*, *Vig.* The Verditer Flycatcher.

70. (588). *ALSEONAX LATIROSTRIS*, *Raffl.* The Brown Flycatcher.

71. (592). *CULICICAPA CEYLONENSIS*, *Swains.* (*) The Grey-headed Flycatcher.

72. (599). *TERPSIPHONE AFFINIS*, *Hay.* (*) The Burmese Paradise Flycatcher.

73. (601). *HYPOTHYMIS AZUREA*, *Bodd.* (*) The Black-naped Flycatcher.

Stresemann has recently published a paper (*Nov. Zool.*, Vol. 20, No. 2, 1913) on the subject of the different subspecies of this widely distributed bird, and he believes that the race inhabiting Siam ought to be referred to *Hypothymis azurea styani*, *Hartl.* The range of distribution of this subspecies is given as Hainan, Siam, Cochin-China, Tenasserim, Burma, Assam, Bengal, Himalayas and Northern India as far south as the Deccan. Owing to lack of material for comparison it is impossible for me to make out if the birds in

Mr. Eisenhofer's collection are *Hypothymis azurea styani*, Hartl., or one of the other closely allied forms. For such an enquiry large series are necessary, and up to the present very little has been done to investigate the avifauna of Siam. In a later paper I hope to be able to solve the question whether this subspecies occurs in Northern Siam or not.

Fam. *TURDIDÆ*.

74. PRATINCOLA CAPRATA BICOLOR, *Sykes*. (*) The Common Pied Bush-Chat. Synonymous with *P. caprata*, Linn., *F. B. I.*, No. 608.
75. (615). OREICOLA FERREA, *Hodgs*. The Dark-grey Bush-Chat.
76. (632). HENICURUS SCHISTACEUS, *Hodgs*. (*) The Slaty-backed Forktail.
77. (634). HENICURUS LESCHENAULTI, *Vieill*. Leschenault's Forktail.

One specimen from Koon Tan with the following measurements:—wing = 108 mm.; tail = 137 mm.; culmen = 21 mm.; tarsus = 29 mm.

78. (663). COPCYCHUS SAULARIS, *Linn*. (*) The Magpie-Robin.
79. (664). CITTOCINCLA MACRURA, *Gm*. (*) The Shama.
80. MONTICOLA SOLITARIA PHILIPPENSIS, *P. L. S. Müll*. (*) The Eastern Blue Rock-Thrush. Synonymous with *Petrophila solitaria*, Müll., *I. B. I.*, No. 692.
81. MONTICOLA CYANEA, *Linn*. The Western Blue Rock-Thrush. Synonymous with *Petrophila cyanus*, Linn., *F.B.I.*, No. 693.
82. (698). OREOCINCLA DAUMA, *Lath*. The Small-billed Mountain-Thrush.

Fam. *PLOCEIDÆ*.

83. (726). MUNIA ATRICAPILLA, *Vieill*. The Chestnut-bellied Munia.
84. (727). UROLONCHA ACUTICAUDA, *Hodgs*. Hodgson's Munia.

Fam. *FRINGILLIDÆ*.

85. (761). CARPODACUS ERYTHRINUS, *Pall*. The Common Rose-Finch.

86. (797). *EMBERIZA AUREOLA*, *Pall.* (*) The Yellow-breasted Bunting

Fam. *MOTACILLIDÆ*.

87. *MOTACILLA ALBA LEUCOPSIS*, *Gould.* The White-faced Wagtail. Synonymous with *M. leucopsis*, *Gould*, *F. B. I.*, No. 827.
88. *MOTACILLA BOARULA MELANOPE*, *Pall.* (*) The Grey Wagtail. Synonymous with *M. melanope*, *Pall.*, *F. B. I.*, No. 832.
89. (833). *MOTACILLA BOREALIS*, *Sundev.* The Grey-headed Wagtail.
90. (839). *LIMONIDROMUS INDICUS*, *Gm.* The Forest-Wagtail.
91. *ANTHUS TRIVIALIS MACULATUS*, *Jerd.* (*) The Indian Tree-Pipit. Synonymous with *A. maculatus*, *Hodgs.*, *F. B. I.*, No. 841.
92. *ANTHUS RICHARDI STRIOLATUS*, *Blyth.* Richard's Pipit. Synonymous with *A. richardi*, *Vieill.*, *F. B. I.*, No. 845.
93. (847). *ANTHUS RUFULUS*, *Vieill.* The Indian Pipit.

Fam. *ALAUDIDÆ*.

94. (873). *MIRAFRA MICROPTERA*, *Hume*, (*) The Burmese Bush-Lark.

Fam. *NECTARINIDÆ*.

95. (884). *AETHOPYGA CARA*, *Hume.* (*) The Tenasserim Yellow-backed Sun-bird.

There is only a single (male) specimen in the collection.

96. (898). *ARACHNECHTHRA FLAMMAXILLARIS*, *Blyth.* The Burmese Yellow-breasted Sun-bird.
97. (909). *ARACHNOTHERA LONGIROSTRIS*, *Lath.* (*) The Little Spider-hunter.

Fam. *DICÆIDÆ*.

98. (912). *DICÆUM CRUENTATUM*, *Linn.* (*) The Scarlet-backed Flower-pecker.
99. (914). *DICÆUM CHRYSORHÆUM*, *Temm.* (*) The Yellow-vented Flower-pecker.
100. (921). *PIPRISOMA SQUALIDUM*, *Burt.* (*) The Thick-billed Flower-pecker.

Fam. *PITTIDÆ*.

101. *ANTHOCINCLA PHAYREI*, *Blyth*. Phayre's Pitta. Synonymous with *A. phayrii*, *Blyth*, *F. B. I.*, No. 926.

102. (928). *PITTA OATESI*, *Hume*. The Fulvous Pitta.

There is only a single specimen of this rare bird in the collection. Its measurements are as follows:—wing = 115 mm.; tail = 72 mm.; culmen = 25 mm.; tarsus = 52 mm.

103. (930). *PITTA CYANEA*, *Blyth*. (*) The Blue Pitta.

Sparingly distributed in suitable localities in Loi Koon Tan.

104. (931). *PITTA CYANOPTERA*, *Temm.* (*) The Lesser Blue-winged Pitta.

(To be continued.)

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